

Special Issue

Future Communication Networks and Systems for Smart Cities

Message from the Guest Editor

Building and creating smart homes and cities have benefited greatly from a number of major enabling technologies, many of which are still in use today. The increased reliance on city residents in smart ICT applications will bring a tremendous increase in the amount of traffic that will be produced in the city of the future, thus straining the limits of current data communication networks. In this Special Issue, articles addressing new challenges and solutions for the network infrastructure of smart cities of the future are invited. Authors are encouraged to submit articles mainly describing original research or review articles. Representative topics that this SI will consider include (but are not limited to) the following:

- Smart city communications infrastructure;
- Ubiquitous sensing and actuation;
- IoT architectures, protocols, and algorithms in smart cities;
- Reliability, security, safety, privacy and trust issues;
- Intelligent transportation systems and vehicular networks;
- Smart energy grid;
- Smart homes for elderly citizens;
- Crowdsensing and crowdsourcing.

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Guest Editor

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Deadline for manuscript submissions

closed (15 June 2025)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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